

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (Currently Amended): A method for providing information regarding a piece of electronic mail (e-mail), comprising:

processing a data set containing transmission data associated with the e-mail so as to determine one or more steps in a propagation history of the e-mail, the transmission data including identifiers of a sender of the e-mail and of one or more recipients of at least a portion of the e-mail; and

graphically displaying the propagation history superimposed as a pathway on a chart showing a relationship among at least some of the sender and the one or more recipients.

2 (original): A method according to claim 1, wherein processing the data set comprises analyzing transmission information embedded in text of the e-mail.

3 (original): A method according to claim 1, wherein processing the data set comprises analyzing transmission information not contained in text of the e-mail.

4 (Currently Amended): ~~A method according to claim~~
~~1,~~ A method for providing information regarding a piece of
electronic mail (e-mail), comprising:

processing a data set containing transmission data
associated with the e-mail so as to determine one or more
steps in a propagation history of the e-mail, the transmission
data including identifiers of a sender of the e-mail and of
one or more recipients of at least a portion of the e-mail;
and

graphically displaying the propagation history,

wherein displaying the propagation history comprises
designating a first visual symbol to represent transmission of
the e-mail to a primary recipient, and designating a second
visual symbol different from the first visual symbol to
represent transmission of the e-mail to a secondary recipient.

5 (Currently Amended): ~~A method according to claim~~
~~1,~~ A method for providing information regarding a piece of
electronic mail (e-mail), comprising:

processing a data set containing transmission data
associated with the e-mail so as to determine one or more
steps in a propagation history of the e-mail, the transmission
data including identifiers of a sender of the e-mail and of

one or more recipients of at least a portion of the e-mail;

and

graphically displaying the propagation history,

wherein displaying the propagation history comprises designating a first visual symbol to represent the sender and designating at least one visual symbol different from the first visual symbol to represent the one or more recipients.

6 (original): A method according to claim 5, wherein displaying the propagation history comprises designating a first color for the first visual symbol and designating a second color, different from the first color, for the at least one visual symbol.

Claim 7: (Canceled)

8 (Currently Amended): ~~A method according to claim 7,~~ A method for providing information regarding a piece of electronic mail (e-mail), comprising:

processing a data set containing transmission data associated with the e-mail so as to determine one or more steps in a propagation history of the e-mail, the transmission data including identifiers of a sender of the e-mail and of one or more recipients of at least a portion of the e-mail;
and

graphically displaying the propagation history,

wherein graphically displaying the propagation history comprises graphically displaying the steps in the history in an animation mode.

9 (Currently Amended): ~~A method according to claim 7,~~ A method for providing information regarding a piece of electronic mail (e-mail), comprising:

processing a data set containing transmission data associated with the e-mail so as to determine one or more steps in a propagation history of the e-mail, the transmission data including identifiers of a sender of the e-mail and of one or more recipients of at least a portion of the e-mail;
and

graphically displaying the propagation history,

wherein graphically displaying the propagation history comprises:

displaying a representation of the sender and at least one of the recipients; and

displaying a graphical representation of movement of the e-mail from the sender to the at least one of the recipients.

10 (original): A method according to claim 9, wherein displaying the graphical representation of movement comprises displaying an arrow.

11 (original): A method according to claim 1, wherein processing the data set comprises determining two or more steps in the propagation history of the e-mail, the transmission data including for each step in the propagation history identifiers of a sender and one or more recipients of a respective portion of the piece of e-mail, wherein the method comprises:

receiving from a user a designation of an electronic mail correspondent;

finding at least one identifier in the transmission data corresponding to the designated correspondent; and

displaying part of the piece of e-mail responsive to finding the at least one identifier.

12 (original): A method according to claim 11, wherein displaying part of the piece of e-mail comprises displaying e-mail content sent by the correspondent.

13 (original): A method according to claim 11, wherein displaying part of the piece of e-mail comprises displaying e-mail content sent to the correspondent.

14 (Currently Amended): A method according to claim 11, wherein the chart includes a chart of a hierarchy, wherein displaying comprises displaying the propagation history

superimposed as the pathway on the hierarchy chart, and
comprising:

determining a location of the correspondent in [[a]]
the hierarchy; and
~~displaying the hierarchy; and~~
identifying for the user the location of the
correspondent in the hierarchy chart.

Claim 15: (Canceled)

16 (Currently Amended): A method according to ~~claim~~
~~15 claim 1~~, wherein ~~receiving the information comprises~~
~~receiving geographical information about the members~~ the
relationship includes a geographical relationship among at
least some of: the sender and the one or more recipients, and
wherein displaying comprises displaying the propagation
history superimposed as the pathway on the chart showing the
geographical relationship.

17 (Currently Amended): A method according to ~~claim~~
~~15 claim 1~~, wherein ~~receiving the information comprises~~
~~receiving hierarchical and geographical information about the~~
~~members~~ the relationship includes a hierarchical and
geographical relationship among at least some of: the sender
and the one or more recipients, and wherein displaying
comprises displaying the propagation history superimposed as

the pathway on the chart showing the hierarchical and geographical relationship.

18 (Currently Amended): A method according to ~~claim~~
~~15 claim 1~~, wherein ~~receiving the information comprises~~
~~receiving hierarchical information about the members~~ the
relationship includes a hierarchical relationship among at
least some of: the sender and the one or more recipients, and
wherein displaying comprises displaying the propagation
history superimposed as the pathway on the chart showing the
hierarchical relationship.

19 (Currently Amended): A method according to claim
18, wherein ~~receiving hierarchical information comprises~~
~~receiving, for each one of a plurality of the members,~~
~~information indicating: (a) who reports to that member and (b)~~
~~to whom does that member report~~ the hierarchical relationship
includes a reporting relationship among at least some of: the
sender and the one or more recipients, and wherein displaying
comprises displaying the propagation history superimposed as
the pathway on the chart showing the reporting relationship.

Claims 20-22: (Canceled)

23 (Currently Amended): Apparatus for providing information regarding a piece of electronic mail (e-mail), comprising:

a processor, configured to process a data set containing transmission data associated with the e-mail so as to determine one or more steps in a propagation history of the e-mail, the transmission data including identifiers of a sender of the e-mail and of one or more recipients of at least a portion of the e-mail; and

a display, configured to graphically display the propagation history superimposed as a pathway on a chart showing a relationship among at least some of: the sender and the one or more recipients.

24 (original): Apparatus according to claim 23, wherein the processor is configured to analyze transmission information embedded in text of the e-mail.

25 (original): Apparatus according to claim 23, wherein the processor is configured to analyze transmission information not contained in text of the e-mail.

26 (original): Apparatus according to claim 23, wherein the processor is configured to designate a first visual symbol to represent transmission of the e-mail to a primary recipient, and to designate a second visual symbol

different from the first visual symbol to represent transmission of the e-mail to a secondary recipient.

27 (original): Apparatus according to claim 23, wherein the processor is configured to designate a first visual symbol to represent the sender, and to designate at least one visual symbol different from the first visual symbol to represent the one or more recipients.

28 (original): Apparatus according to claim 27, wherein the processor is configured to designate a first color for the first visual symbol, and to designate a second color, different from the first color, for the at least one visual symbol.

Claim 29: (Canceled)

30 (Currently Amended): Apparatus according to ~~claim 29~~ claim 23, wherein the processor is configured to drive the display to graphically display the steps in the history in an animation mode.

31 (Currently Amended): Apparatus according to ~~claim 29~~ claim 23, wherein the processor is configured to drive the display to display a representation of the sender and at least one of the recipients, and to display a graphical

representation of movement of the e-mail from the sender to the at least one of the recipients.

32 (original): Apparatus according to claim 23, wherein the processor is configured to determine two or more steps in the propagation history of the e-mail, the transmission data including for each step in the propagation history identifiers of a sender and one or more recipients of a respective portion of the piece of e-mail, and wherein the processor is configured to:

receive from a user a designation of an electronic mail correspondent;

find at least one identifier in the transmission data corresponding to the designated correspondent; and

drive the display to display part of the piece of e-mail responsive to finding the at least one identifier.

33 (Currently Amended): Apparatus according to claim 32, wherein the chart includes a chart of a hierarchy, wherein the display is configured to display the propagation history superimposed as the pathway on the hierarchy chart, and wherein the processor is configured to:

determine a location of the correspondent in the [[a]] hierarchy; and

~~drive the display to display the hierarchy; and~~

drive the display to identify for the user the
location of the correspondent in the hierarchy chart.

Claim 34: (Canceled)

35 (Currently Amended): Apparatus according to ~~claim~~
~~34~~ claim 23, wherein the relationship includes a hierarchical
relationship among at least some of: the sender and the one or
more recipients, and wherein the processor is configured to
~~receive information regarding a hierarchical relationship~~
~~relating the members, and to drive the display to display the~~
~~propagation history responsive to~~ superimposed as the pathway
on the chart showing the hierarchical relationship.

Claim 36: (Canceled)

37 (Currently Amended): A computer program product
for providing information regarding a piece of electronic mail
(e-mail), the product comprising a computer-readable medium
having program instructions embodied therein, which
instructions, when read by a computer, cause the computer to:
process a data set containing transmission data
associated with the e-mail so as to determine one or more
steps in a propagation history of the e-mail, the transmission
data including identifiers of a sender of the e-mail and of

one or more recipients of at least a portion of the e-mail;
and

graphically display the propagation history
superimposed as a pathway on a chart showing a relationship
among at least some of: the sender and the one or more
recipients.

38 (original): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to analyze transmission information embedded in text of the e-mail.

39 (original): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to analyze transmission information not contained in text of the e-mail.

40 (original): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to designate a first visual symbol to represent transmission of the e-mail to a primary recipient, and to designate a second visual symbol different from the first visual symbol to represent transmission of the e-mail to a secondary recipient.

41 (original): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to designate a first visual symbol to represent the sender and designate at least one visual symbol different from the first visual symbol to represent the one or more recipients.

42 (original): A computer program product according to claim 41, wherein the instructions, when read by the computer, cause the computer to designate a first color for the first visual symbol and designate a second color, different from the first color, for the at least one visual symbol.

Claim 43: (Canceled)

44 (Currently Amended): A computer program product according to ~~claim 43~~ claim 37, wherein the instructions, when read by the computer, cause the computer to graphically display the steps in the history in an animation mode.

45 (Currently Amended): A computer program product according to ~~claim 43~~ claim 37, wherein the instructions, when read by the computer, cause the computer to:

display a representation of the sender and at least one of the recipients; and

display a graphical representation of movement of the e-mail from the sender to the at least one of the recipients.

46 (original): A computer program product according to claim 45, wherein the instructions, when read by the computer, cause the computer to display an arrow to represent the movement.

47 (original): A computer program product according to claim 37, wherein the instructions, when read by the computer, cause the computer to determine two or more steps in the propagation history of the e-mail, the transmission data including for each step in the propagation history identifiers of a sender and one or more recipients of a respective portion of the piece of e-mail, and wherein the instructions, when read by the computer, cause the computer to:

receive from a user a designation of an electronic mail correspondent;

find at least one identifier in the transmission data corresponding to the designated correspondent; and

display part of the piece of e-mail responsive to finding the at least one identifier.

48 (original): A computer program product according to claim 47, wherein the instructions, when read by the

computer, cause the computer to display e-mail content sent by the correspondent.

49 (original): A computer program product according to claim 47, wherein the instructions, when read by the computer, cause the computer to display e-mail content sent to the correspondent.

50 (Currently Amended): A computer program product according to claim 47, wherein the chart includes a chart of a hierarchy, and wherein the instructions, when read by the computer, cause the computer to:

display the propagation history superimposed as the pathway on the hierarchy chart;

determine a location of the correspondent in [[a]] the hierarchy; and

~~display the hierarchy; and~~

identify for the user the location of the correspondent in the hierarchy chart.

Claim 51: (Canceled)

52 (Currently Amended): A computer program product according to ~~claim 51~~ claim 37, wherein the relationship includes a geographical relationship among at least some of: the sender and the one or more recipients, and wherein the

instructions, when read by the computer, cause the computer to ~~receive geographical information about the members~~ display the propagation history superimposed as the pathway on the chart showing the geographic relationship.

53 (Currently Amended): A computer program product according to ~~claim 51~~ claim 37, wherein the relationship includes a hierarchical and geographical relationship among at least some of: the sender and the one or more recipients, and wherein the instructions, when read by the computer, cause the computer to ~~receive hierarchical and geographical information about the members~~ display the propagation history superimposed as the pathway on the chart showing the geographic relationship.

54 (Currently Amended): A computer program product according to ~~claim 51~~ claim 37, wherein the relationship includes a hierarchical relationship among at least some of: the sender and the one or more recipients, and wherein the instructions, when read by the computer, cause the computer to ~~receive hierarchical information about the members~~ display the propagation history superimposed as the pathway on the chart showing the hierarchical relationship.

55 (Currently Amended): A computer program product according to claim 54, wherein the hierarchical relationship

includes a reporting relationship among at least some of: the sender and the one or more recipients, and wherein the instructions, when read by the computer, cause the computer to receive for each one of a plurality of the members, information indicating: (a) who reports to that member and (b) to whom does that member report display the propagation history superimposed as the pathway on the chart showing the reporting relationship.

Claims 56-58: (Canceled)

59 (Currently Amended): A method according to claim 14, wherein the hierarchy chart includes a tree, wherein determining the location of the correspondent comprises determining the location of the correspondent in the tree, wherein displaying the hierarchy chart comprises displaying the tree, and wherein identifying the location of the correspondent comprises identifying the location of the correspondent in the tree.

60 (Currently Amended): A method according to claim 14, wherein the hierarchy includes a hierarchy of an organization, wherein determining the location of the correspondent comprises determining the location of the correspondent in the hierarchy of the organization, wherein displaying the hierarchy chart comprises displaying the

hierarchy chart of the organization, and wherein identifying the location of the correspondent comprises determining the location of the correspondent in the hierarchy chart of the organization.

61 (Currently Amended): A method according to claim 18, wherein the hierarchical-~~information~~ relationship includes an organizational hierarchical relationship among at least some of: the sender and the one or more recipients, and wherein displaying comprises displaying the propagation history superimposed as the pathway on the chart showing ~~information about the members, and~~

~~wherein receiving the hierarchical information comprises receiving the~~ organizational hierarchical information relationship.

62 (Currently Amended): A method according to ~~claim~~ 20 claim 18, wherein the ~~hierarchy~~ chart showing the hierarchical relationship includes a tree, ~~wherein displaying the hierarchy comprises displaying the tree including the members in the set, and wherein displaying the propagation history comprises displaying the propagation history with respect to~~ superimposed as the pathway on the tree.

63 (Currently Amended): Apparatus according to claim 33, wherein the hierarchy chart includes a tree, and wherein the processor is configured to:

determine a location of the correspondent in the tree;

drive the display to display the tree; and

drive the display to identify for the user the location of the correspondent in the tree.

64 (Currently Amended): Apparatus according to claim 33, wherein the hierarchy includes a hierarchy of an organization, and wherein the processor is configured to:

determine a location of the correspondent in the hierarchy of the organization;

drive the display to display the hierarchy chart of the organization; and

drive the display to identify for the user the location of the correspondent in the hierarchy chart of the organization.

65 (Currently Amended): Apparatus according to claim 35, wherein the hierarchical relationship includes an organizational hierarchical relationship ~~relating the members~~ among at least some of: the sender and the one or more recipients, and wherein the processor is configured ~~to receive~~

~~the information regarding the organization hierarchical relationship, and to drive the display to display the propagation history-response to~~ superimposed as the pathway on the chart showing the organizational hierarchical relationship.

66 (Currently Amended): Apparatus according to claim 35, wherein the processor is configured to drive the display to display the hierarchical relationship as a tree, and the propagation history ~~with respect to~~ superimposed as the pathway on the tree.

67 (Currently Amended): A computer program product according to claim 50, wherein the hierarchy chart includes a tree, and wherein the instructions, when read by the computer, cause the computer to:

determine the location of the correspondent in the tree;

display the tree; and

identify the location of the correspondent in the tree.

68 (Currently Amended): A computer program according to claim 50, wherein the hierarchy includes a hierarchy of an organization, and wherein the instructions, when read by the computer, cause the computer to:

determine the location of the correspondent in the hierarchy of the organization;

display the hierarchy chart of the organization; and
identify the location of the correspondent in the hierarchy chart of the organization.

69 (Currently Amended): A computer program according to claim 54, wherein the hierarchical-~~information~~ relationship includes an organizational hierarchical-~~information~~ about the members relationship among at least some of: the sender and the one or more recipients, and

wherein the instructions, when read by the computer, cause the computer to ~~receive the~~ display the propagation history superimposed as the pathway on the chart showing the organizational hierarchical-~~information~~ relationship.

70 (Currently Amended): A computer program according to ~~claim 56~~ claim 54, wherein the ~~hierarchy~~ chart showing the hierarchical relationship includes a tree, and wherein the instructions, when read by the computer, cause the computer to to[[:]]

~~display the tree including the members in the set,~~
and

display the propagation history ~~with respect to~~
superimposed as the pathway on the tree.